Contents Vol. 18 (1987)

Vol. 18, No. 1 (May 1987)

Extraction of cadmium from phosphoric acid solutions with amines. Part III. A thermodynamic extraction model
S. Stenström (Lund, Sweden) 1
The reaction between reduced ilmenite and oxygen in ammonium chloride solutions
J.B. Farrow, I.M. Ritchie (Nedlands, W.A., Australia) and P. Mangano (Capel, W.A., Australia) 21
The behaviour of sulphur in the oxidative leaching of sulphidic minerals
J.P. Lotens and E. Wesker (Amsterdam, The Netherlands) 39
Leaching of silver with various copper(II) salts in aqueous acetonitrile: Solubility measurements and recovery of silver powders via distillation
J. Avraamides (Bentley, W.A., Australia) 55
The influence of the diluent on the extraction of iron(III) from aluminium sulphate solutions by the amine Primene 81R sulphate
F.J. Alguacil, S. Amer and A. Luis (Madrid, Spain) 65
The application of Primene 81R for the purification of concentrated aluminium sulphate solutions from leaching of clay minerals
F.J. Alguacil, S. Amer and A. Luis (Madrid, Spain) 75
A study of uranium solvent extraction equilibria with Alamine 336 in kerosene
N.A. Yakubu (Bauchi, Nigeria) and A.W.L. Dudeney (London, Great Britain) 93
Copper(II) complexes formed in the extraction of copper from hydrochloric acid solutions by an α-hydroxyoxime
T. Sato, M. Ito, T. Sakamoto and R. Otsuka (Hamamatsu, Japan) 105
Solvent extraction of uranium(VI) from industrial and analytical grade phosphoric acid using organic extractants in kerosene with variable content of aromatic hydrocarbons (*Technical Note*)
I. Brčić, I. Fatović, S. Meleš, E. Polla and M. Radošević (Zagreb, Yugoslavia) 117
Book Review 123
Meeting Announcements 124

Vol. 18, No. 2 (June 1987)

Models for the adsorption of aurocyanide onto activated carbon. Part I: Solvent extraction of aurocyanide ion pairs by 1-pentanol
G.J. McDougall (Germiston, South Africa), M.D. Adams (Randburg, South Africa) and R.D. Hancock (Johannesburg, South Africa) 125
Models for the adsorption of aurocyanide onto activated carbon. Part II: Extraction of aurocyanide ion pairs by polymeric adsorbents
M.D. Adams (Randburg, South Africa), G.J. McDougall (Germiston, South Africa) and R.D. Hancock (Johannesburg, South Africa) 139
Kinetics of leaching of a low-grade Fe–Ni–Cu–Co matte in ferric sulphate solution
M.J. Dry and A.W. Bryson (Randburg, South Africa) 155
Dissolution kinetics of chalcopyrite containing pyrite in water saturated with chlorine
S. Çolak, M. Alkan and M.M. Kocakerim (Erzurum, Turkey) 183
Silver ion catalysis in nitric acid dissolution of Ni_3S_2
W. Mulak (Wrocław, Poland) 195

Silver cementation from chloride solution using rotating disks of copper and lead
R.M. Morrison, D.J. MacKinnon and J.M. Brannen (Ottawa, Ontario, Canada) 207
Investigation of the extraction kinetics of cobalt and nickel and the optimization of operation parameters in a mixer-settler for the extraction of cobalt
Li Zhou, Liu Rui-zhi, Hou Zhong-an and Li Zhong-lian (Beijing, China) 225
Liquid-liquid extraction of aluminium and gallium with 5-substituted 8-hydroxyquinolines
D. Bauer and Y. Pescher-Cluzeau (Paris, France) 243
Liquid scintillation counting as a means of measuring uranium leached from low-grade ores by *Thiobacillus ferrooxidans*
L.G. Leduc, G.D. Ferroni and D. Belcourt (Sudbury, Ontario, Canada) 255
A solvent extraction study of silver(I), palladium(II) and mercury(II) with 2-tert-dodecylthiopyridine (*Technical Note*)
K. Inoue, Y. Baba, T. Oka (Saga, Japan), M. Takagi and K. Dohtsu (Fukuoka, Japan) .. 265
Conference Papers 273
Meeting Announcements 275

Vol. 18, No. 3 (August 1987)

Nature of the copper(II) complex extracted from hydrochloric acid solutions by an alkylated hydroxyquinoline (Kelex 100)
T. Sato, H. Oishi and R. Otsuka (Hamamatsu, Japan) 277
Electroleaching of zinc leach residues
K.L. Bhat (Surathkal, India), K.A. Natarajan (Bangalore, India) and T. Ramachandran (Surathkal, India) 287
The direct electrowinning of gold from dilute cyanide leach liquors
N.P. Brandon, M.N. Mahmood, P.W. Page and C.A. Roberts (Sunbury-on-Thames, Great Britain) 305
The fate of gold in cupric chloride hydrometallurgy
G.W. McDonald, A. Saud, M.S. Barger, J.A. Koutsky and S.H. Langer (Madison, WI, U.S.A.) 321
The use of coal spoils as feed materials for alumina recovery by acid leaching routes. V. The effect of fluoride additions on the extraction of aluminium with hydrochloric acid
N.T. Bailey and R.J. Chapman (Birmingham, Great Britain) 337
The effect of diluents on the metal extracted and phase separation in the extraction of aluminium with monononyl phosphoric acid
N.T. Bailey and P. Mahi (Birmingham, Great Britain) 351
Selective dissolution of uranium from Olympic Dam copper concentrates
R.J. Ragozzini and G.J. Sparrow (Port Melbourne, Vic., Australia) 367
Can microorganisms be used to control nitrate levels in mining process effluents?
V. Sanmugasunderam (Ottawa, Ontario, Canada), V.I. Lakshmanan, J. Christison and M. McKim (Mississauga, Ontario, Canada) 383
Meeting Announcement 397
Author Index Vol. 18 398